SENSOR WITH SUCTION CUP ARRAY MOUNT

ABSTRACT OF THE DISCLOSURE

[0064] A sensor mounting system having a suction cup array is disclosed. In one application, the system eases the initial positioning of the colorimeter on the screen to be measured, minimizes the force applied to the screen upon which it is mounted, and minimizes the distortion in the mounted area of the screen surface. In addition, the mounting system can be configured so that the distance from the colorimeter sensor to the screen will not significantly change over time. Such positional stability operates to improve SNR. The mounting system is further adapted for ease of removal from the screen upon which it is mounted. Applications not only include a mount for low to high accuracy colorimeters, but also for other measurement devices that can benefit from advantages of the present invention. Injection molding manufacturing techniques can be employed in fabrication of the system.